

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 **Claim 1 (currently amended):** A laser oscillator
2 device comprising:
3 an excitation beam source for generating an excitation
4 beam;
5 a lasing medium receiving said excitation beam for
6 amplifying light;
7 a laser oscillator for inducing resonance of light
8 emitted from said lasing medium to perform laser
9 oscillation; and
10 a cooling system comprising a cooling holder for
11 cooling and holding said lasing medium;
12 said cooling system using a gas as a heat-carrying
13 medium;
14 said cooling holder being in the shape of a tube
15 having openings on both end and housing a lasing medium;
16 and
17 said cooling holder and said lasing medium contacting
18 each other at only a single surface.

1 **Claim 2 (currently amended):** A laser oscillator
2 device in accordance with claim 1, wherein said cooling
3 system cools the lasing medium to a temperature lower than
4 the evaporation temperature of liquid nitrogen.

Claims 3-7 (canceled)

1 **Claim 8 (currently amended):** A laser oscillator
2 device in accordance with claim ~~[[5]]~~1, wherein said
3 cooling holder is composed mainly of copper.

1 **Claim 9 (original):** A laser oscillator device in
2 accordance with claim 1, wherein said lasing medium is a
3 titanium sapphire crystal.

1 **Claim 10 (currently amended):** A laser oscillator
2 device in accordance with claim ~~[[5]]~~1, wherein said lasing
3 medium and said cooling holder are attached by means of a
4 material selected from among indium, silver paste, epoxy
5 and varnish.

1 **Claim 11 (new):** A laser oscillator device comprising:
2 an excitation beam source for generating an excitation
3 beam;
4 a lasing medium receiving said excitation beam for
5 amplifying light;

6 a laser oscillator for inducing resonance of light
7 emitted from said lasing medium to perform laser
8 oscillation; and

9 a cooling system for cooling said lasing medium, said
10 cooling system using a gas having a temperature of 70 K or
11 less as a heat-carrying medium.

1 **Claim 12 (new):** A laser oscillator device in
2 accordance with claim 11, wherein said cooling system cools
3 the lasing medium to a temperature lower than the
4 evaporation temperature of liquid nitrogen.

1 **Claim 13 (new):** A laser oscillator device in
2 accordance with claim 11, wherein said cooling holder is
3 composed mainly of copper.

1 **Claim 14 (new):** A laser oscillator device in
2 accordance with claim 11, wherein said lasing medium is a
3 titanium sapphire crystal.

1 **Claim 15 (new):** A laser oscillator device in
2 accordance with claim 11, wherein said lasing medium and
3 said cooling holder are attached by means of a material
4 selected from among indium, silver paste, epoxy and
5 varnish.